ABSTRACT OF THE INVENTION

A wire bonding capillary having an extended service life-time, the use of which results in bonds with improved and stable qualities. The capillary includes a polymeric film which is vapor phase polymerized on the out side of the capillary tip in which a threaded bond wire travels. The polymeric film prevents bond deterioration and capillary clogging by layers of contaminates which originate from the wire and the capillary manufacturing processes, and which would otherwise accumulate inside the bore and on the face of the tip of the capillary.

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